

Pleurothallis rectipetala A. & S. *sp. nov.* Herba mediocris. Caules monophylli, inferne univaginati. Folium patens vel deflexum, lanceolato-ovatum, valde cordatum, acuminatum. Pedunculi perbreves, uniflori, vagina cylindracea omnino inclusi. Flores pro sectione parvi. Sepala similia, rotundato-ovata, lateralia in synsepalum connata. Petala oblongo-lanceolata, minute denticulata. Labellum ovatum, crassissimum.

Plant medium-sized. Stem over 21.4 cm. long (base not present), with a long tubular close sheath below. Leaf solitary, horizontally spreading or reflexed in the dried specimen, lanceolate-ovate, deeply cordate at base, 8.4–11 cm. long (including the basal auricles), 3.55–4.6 cm. wide below, long-acuminate, coriaceous, many-nerved. Inflorescences several, 1-flowered; peduncles entirely concealed by the surrounding tubular sheath, which is about 1.6 cm. long. Flowers exerted beyond the sheath. Lateral sepals connate into a round-ovate lamina which is shortly bidentate in anthesis, about 8 mm. long, 6.2–7.2 mm. wide, obtuse or splitting into two subacute points, prominently 4-nerved with two or four secondary nerves. Dorsal sepal round-ovate, about 8 mm. long, about 6 mm. wide, 3-nerved, acute. Petals oblong-lanceolate, almost straight, 5 mm. long, 2.1–2.5 mm. wide below, abruptly acute or minutely mucronate, the margin minutely denticulate. Labellum ovate, small, very thick and fleshy, densely papillose, about 3 mm. long and 2 mm. wide, obtuse or rounded at the apex. Column short and stout, with a very short foot.

Pleurothallis rectipetala is allied to *P. cardiothallis* Reichb. f. and *P. phyllocardia* Reichb. f., but differs from both in the almost straight petals and in other floral details. It has much larger leaves than *P. homalanthoides* Schltr., 3-nerved dorsal sepal and not falcate petals. Florally it resembles a gigantic form of *P. rhodoglossa* Schltr.

TROPICAL AMERICAN ORCHIDS

COSTA RICA, Cachi, *C. H. Lankester 915*. (Cultivated at Cartago and flowered in June 1924.) Flower dusky vinous purple, upper sepal "hyalinaceous," especially the margins. Lip deep vinous purple. Column white, anther cream color. (TYPE in Herb. Ames No. 28690.)